

at any tier, directly or indirectly, in licensed launch activities, and includes suppliers of property and services, and the component manufacturers of a launch vehicle or payload.

(3) *Customer* means the person who procures launch services from the licensee, any person to whom the customer has sold, leased, assigned, or otherwise transferred its rights in the payload (or any part thereof) to be launched by the licensee, including a conditional sale, lease, assignment, or transfer of rights, any person who has placed property on board the payload for launch or payload services, and any person to whom the customer has transferred its rights to the launch services.

(4) *Federal range facility* means a Government-owned installation at which launches take place.

(5) *Financial responsibility* means statutorily required financial ability to satisfy liability as required under 49 U.S.C. 70101-70119.

(6) *Government personnel* means employees of the United States, its agencies, and its contractors and subcontractors, involved in launch services for licensed launch activities. Employees of the United States include members of the Armed Forces of the United States.

(7) *Hazardous operations* means activities, processes, and procedures that, because of the nature of the equipment, facilities, personnel, or environment involved or function being performed, may result in bodily injury or property damage.

(8) *Liability* means a legal obligation to pay claims for bodily injury or property damage resulting from licensed launch activities.

(9) *License* means an authorization to conduct licensed launch activities, issued by the Office under this subchapter.

(10) *Licensed launch activities* means the launch of a launch vehicle as defined in a regulation or license issued by the Office and carried out pursuant to a launch license.

(11) *Maximum probable loss (MPL)* means the greatest dollar amount of loss for bodily injury or property damage that is reasonably expected to result from licensed launch activities;

(i) Losses to third parties, excluding Government personnel and other launch participants' employees involved in licensed launch activities, that are reasonably expected to result from licensed launch activities are those having a probability of occurrence on the order of no less than one in ten million.

(ii) Losses to Government property and Government personnel involved in licensed launch activities that are reasonably expected to result from licensed launch activities are those having a probability of occurrence on the order of no less than one in one hundred thousand.

(12) *Office* means the Associate Administrator for Commercial Space Transportation of the Federal Aviation Administration, U.S. Department of Transportation.

(13) *Property damage* means partial or total destruction, impairment, or loss of tangible property, real or personal.

(14) *Regulations* means the Commercial Space Transportation Licensing Regulations, codified at 14 CFR Ch. III.

(15) *Third party* means:

(i) Any person other than:

(A) The United States, its agencies, and its contractors and subcontractors involved in launch services for licensed launch activities;

(B) The licensee and its contractors and subcontractors involved in launch services for licensed launch activities; and

(C) The customer and its contractors and subcontractors involved in launch services for licensed launch activities.

(ii) Government personnel, as defined in this section, are third parties.

(16) *United States* means the United States Government, including its agencies.

(b) Except as otherwise provided in this section, any term used in this part and defined in 49 U.S.C. 70101-70119, or in § 401.5 of this chapter shall have the meaning contained therein.

§ 440.5 General.

(a) No person shall commence or conduct launch activities that require a license unless that person has obtained a license and fully demonstrated compliance with the financial responsibility

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and allocation of risk requirements set forth in this part.

(b) The Office shall prescribe the amount of financial responsibility a licensee is required to obtain and any additions to or modifications of the amount in a license order issued concurrent with or subsequent to the issuance of a license.

(c) Demonstration of financial responsibility under this part shall not relieve the licensee of ultimate responsibility for liability, loss, or damage sustained by the United States resulting from licensed launch activities, except to the extent that:

(1) Liability, loss, or damage sustained by the United States results from willful misconduct of the United States or its agents;

(2) Covered claims of third parties for bodily injury or property damage arising out of any particular launch exceed the amount of financial responsibility required under § 440.9(c) of this part and do not exceed \$1,500,000,000 (as adjusted for inflation occurring after January 1, 1989) above such amount, and are payable pursuant to 49 U.S.C. 70113 and § 440.19 of this part. Claims of employees of entities listed in § 440.3(a)(15)(i)(B) and (C) of this part for bodily injury or property damage are not covered claims;

(3) Covered claims for property loss or damage exceed the amount of financial responsibility required under § 440.9(e) of this part and do not result from willful misconduct of the licensee; or

(4) The licensee has no liability for covered claims by third parties for bodily injury or property damage arising out of any particular launch that exceed \$1,500,000,000 (as adjusted for inflation occurring after January 1, 1989) above the amount of financial responsibility required under § 440.9(c) of this part.

(d) A licensee's failure to comply with the requirements in this part may result in suspension or revocation of a license, and subjects the licensee to civil penalties as provided in part 405 of this chapter.

§ 440.7 Determination of maximum probable loss.

(a) The Office shall determine the maximum probable loss (MPL) from covered claims by a third party for bodily injury or property damage, and the United States, its agencies, and its contractors and subcontractors for covered property damage or loss, resulting from licensed launch activities. The maximum probable loss determination forms the basis for financial responsibility requirements issued in a license order.

(b) The Office issues its determination of maximum probable loss no later than ninety days after a licensee or transferee has requested a determination and submitted all information required by the Office to make the determination. The Office shall consult with Federal agencies that are involved in, or whose personnel or property are exposed to risk of damage or loss as a result of, licensed launch activities before issuing a license order prescribing financial responsibility requirements and shall notify the licensee or transferee if interagency consultation may delay issuance of the MPL determination.

(c) Information requirements for obtaining a maximum probable loss determination are set forth in Appendix A of this part. Any person requesting a determination of maximum probable loss must submit information in accordance with Appendix A requirements, unless the Office has waived requirements. In lieu of submitting required information, a person requesting a maximum probable loss determination may designate and certify certain information previously submitted for a prior determination as complete, valid, and equally applicable to its current request. The requester is responsible for the continuing accuracy and completeness of information submitted under this part and shall promptly report any changes in writing.

(d) The Office shall amend a determination of maximum probable loss required under this section at any time prior to completion of licensed launch